

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031866.D
 Acq On : 12 Apr 2018 14:18
 Operator : SY/AP
 Sample : J2191-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-040218DL

Manual Integrations
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 4/15/2018 3:06:58 PM

Quant Time: Apr 14 02:18:26 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1230076	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2541240	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2506907	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2026693	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	69586	0.274	ppbv	95
9) Propene	3.14	41	22631	0.458	ppbv #	72
11) Trichlorofluoromethane	4.11	101	47693	0.192	ppbv	86
13) Ethanol	3.76	45	117514m	7.000	ppbv	
15) Acetone	4.02	43	66767m	0.353	ppbv	
20) Methylene Chloride	4.52	84	234163	3.396	ppbv	89
24) 1,1-Dichloroethane	5.21	63	36854	0.193	ppbv	96
26) Hexane	5.91	57	18103m	0.131	ppbv	
31) cis-1,2-Dichloroethene	5.77	61	15995m	0.128	ppbv	
32) 1,1,1-Trichloroethane	6.75	97	77231	0.340	ppbv	99
38) Trichloroethene	8.10	130	125739m	1.355	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

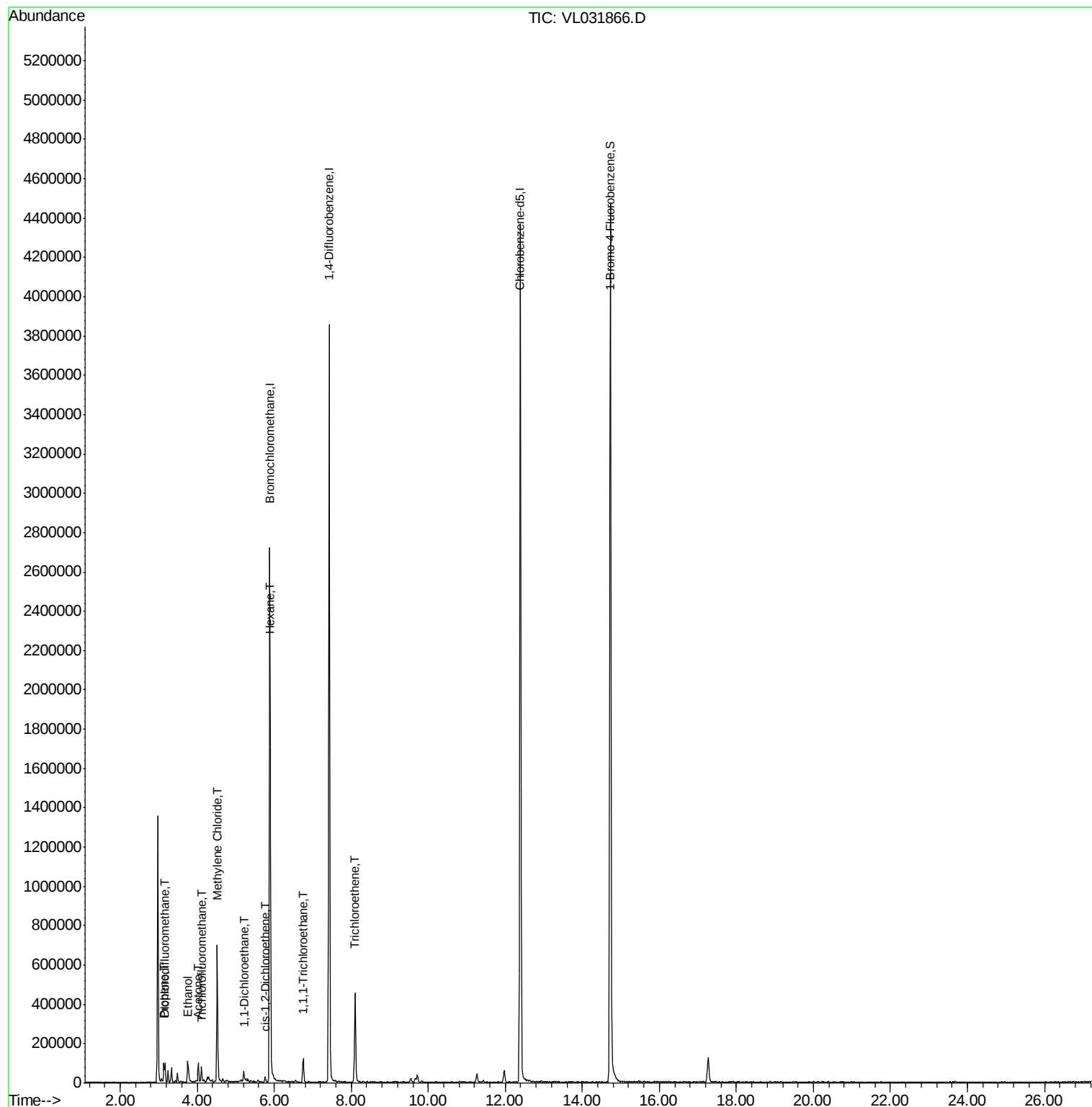
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
Data File : VL031866.D
Acq On : 12 Apr 2018 14:18
Operator : SY/AP
Sample : J2191-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

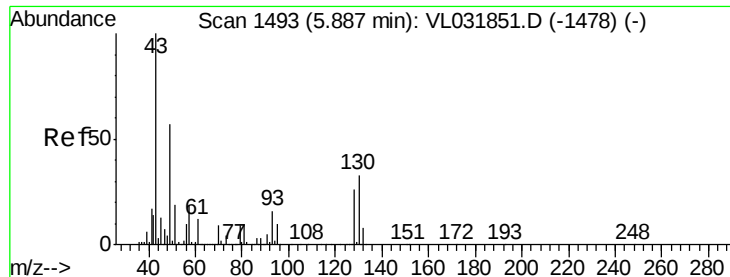
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

Manual Integrations
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Quant Time: Apr 14 02:18:26 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration





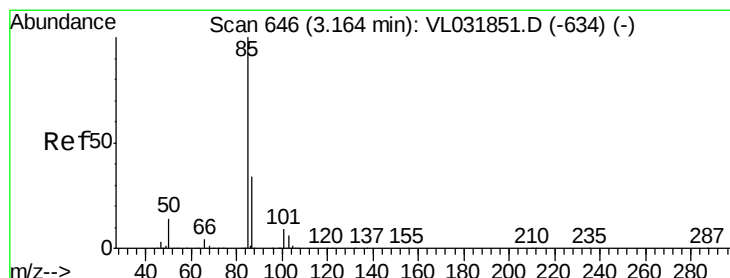
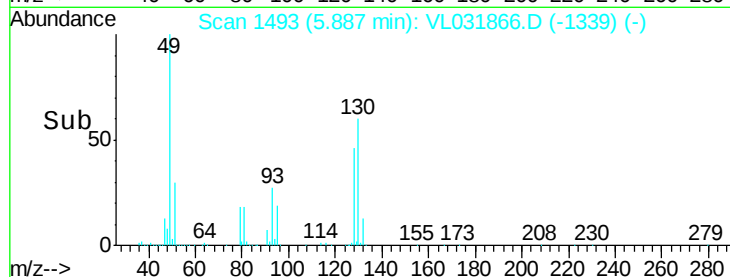
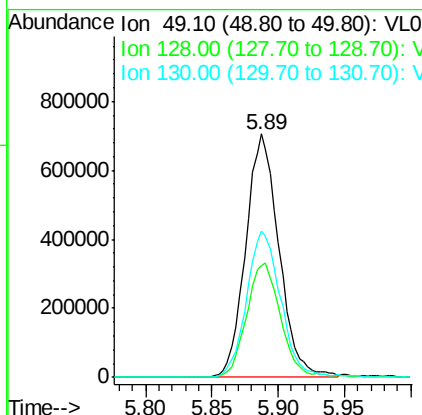
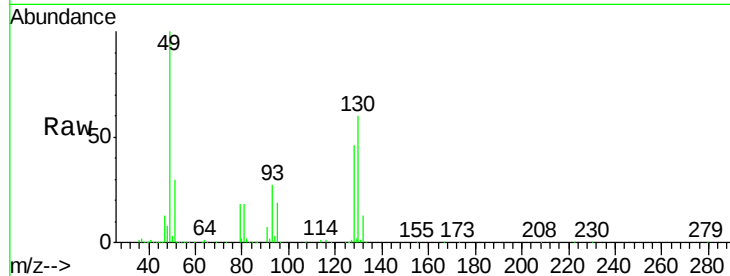
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.89 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

Tot Ion: 49 Resp: 1230076
Ion Ratio Lower Upper
49 100
128 48.7 23.9 71.7
130 62.5 30.9 92.7

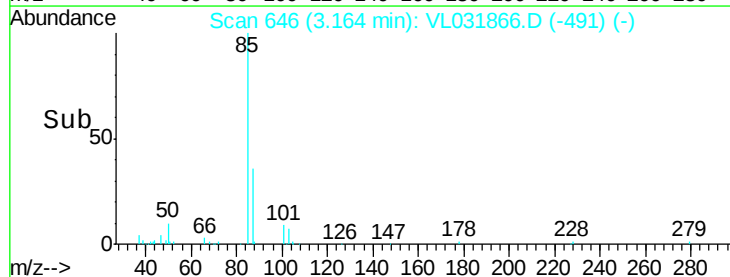
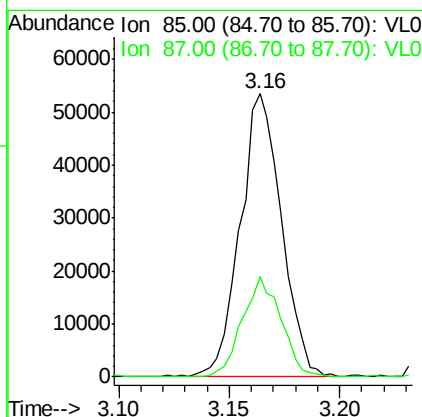
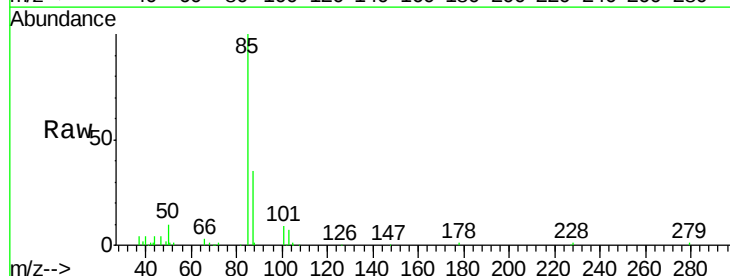
Manual Integrations
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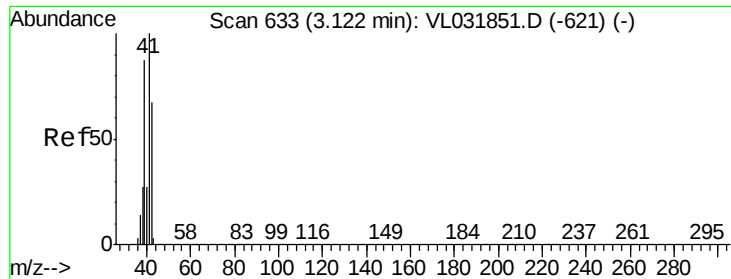
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#2
Dichlorodifluoromethane
Concen: 0.274 ppbv
RT: 3.16 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Tgt Ion: 85 Resp: 69586
Ion Ratio Lower Upper
85 100
87 35.4 25.9 38.9





#9

Propene

Concen: 0.458 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.02 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-040218DL

Tot Ion: 41 Resp: 22631

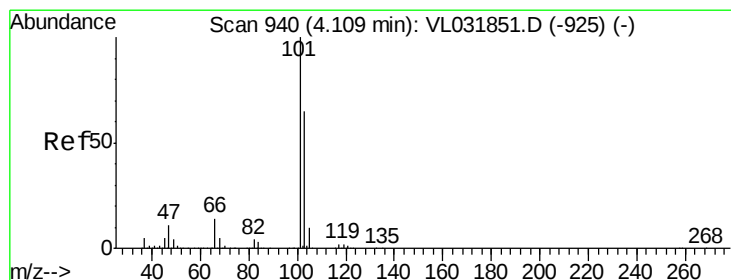
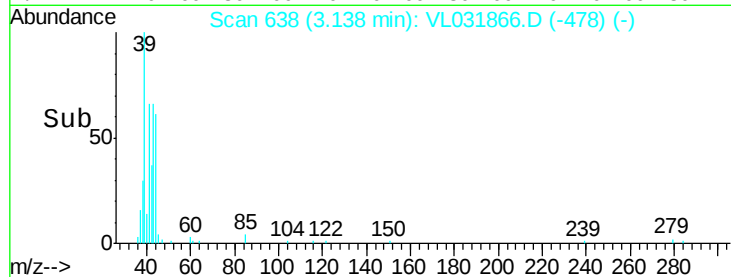
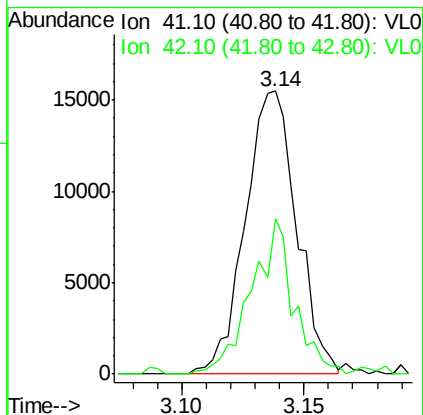
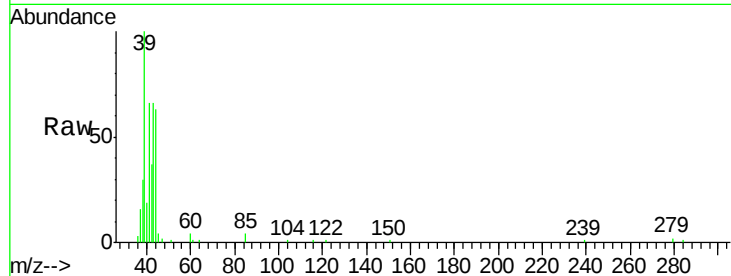
Ion Ratio Lower Upper

41 100

42 46.4 55.0 82.4#

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#11

Trichlorofluoromethane

Concen: 0.192 ppbv

RT: 4.11 min Scan# 940

Delta R.T. -0.00 min

Lab File: VL031866.D

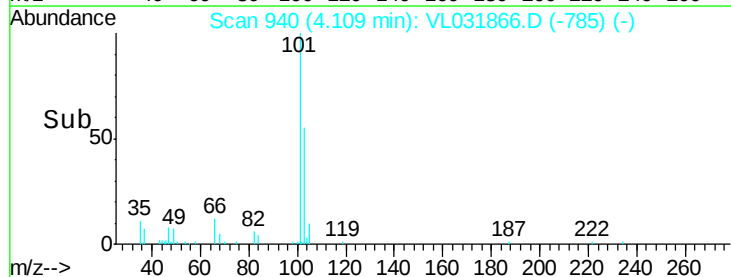
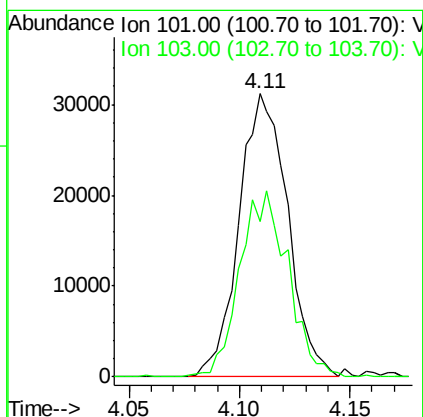
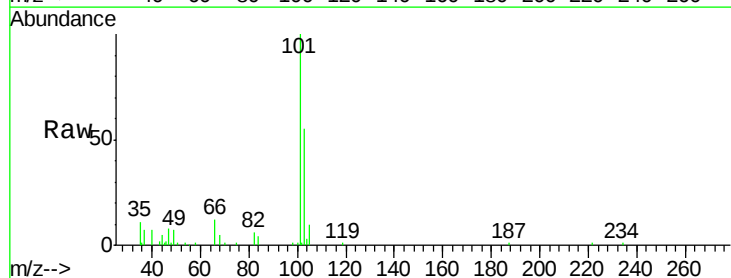
Acq: 12 Apr 2018 14:18

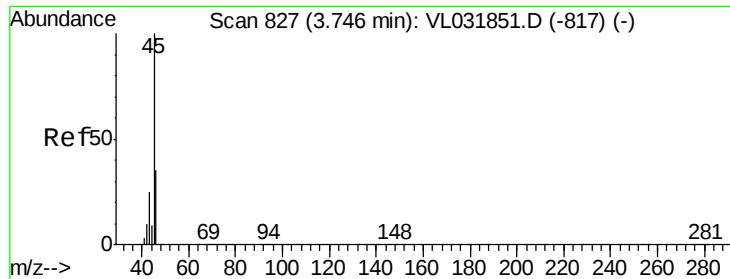
Tgt Ion: 101 Resp: 47693

Ion Ratio Lower Upper

101 100

103 54.1 51.8 77.8





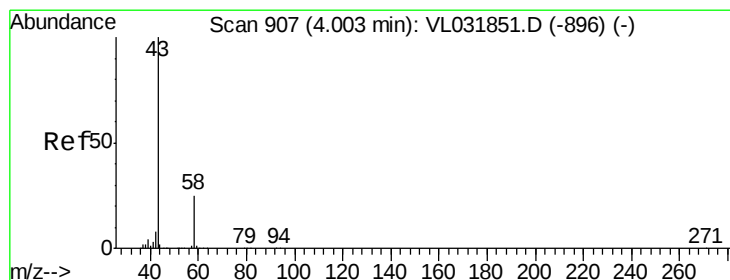
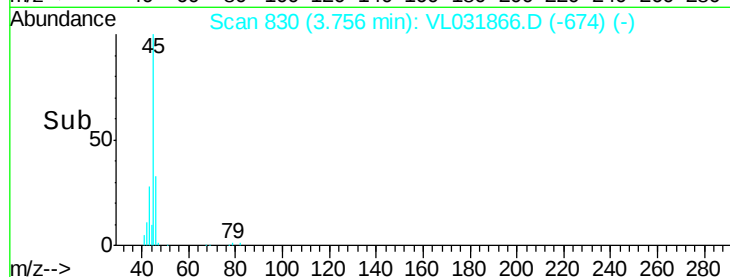
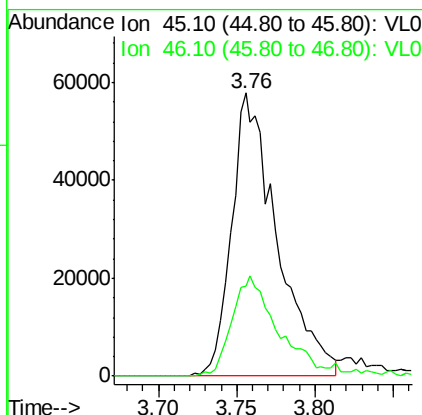
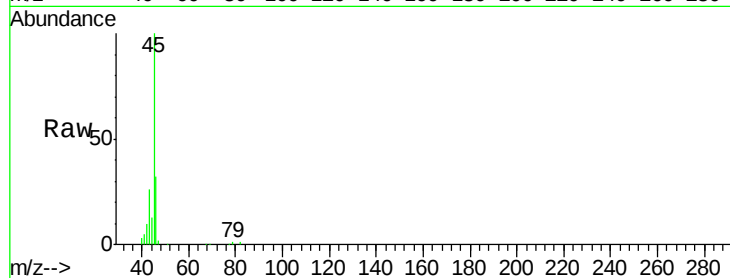
#13
Ethanol
Concen: 7.000 ppbv m
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

Tot Ion: 45 Resp: 117514
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.6#

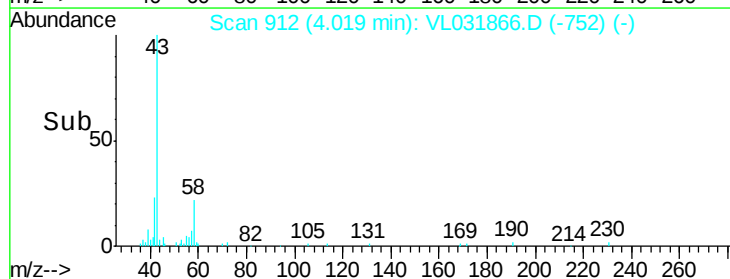
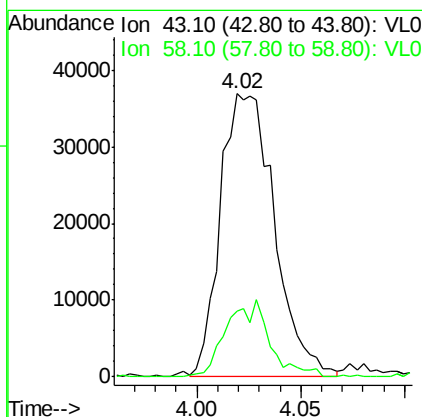
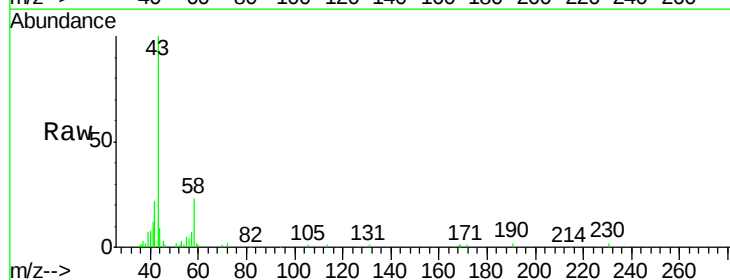
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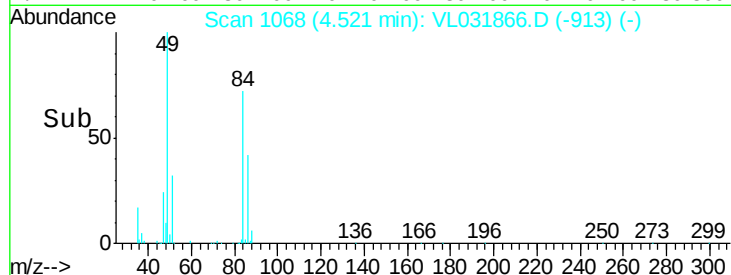
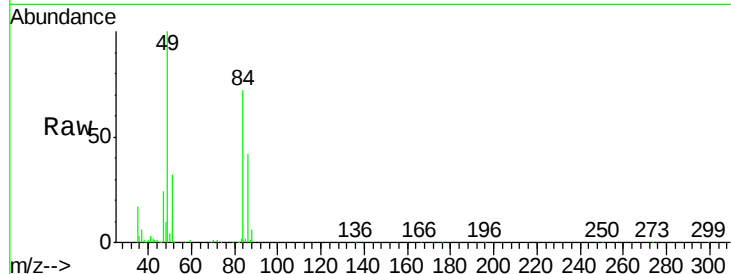
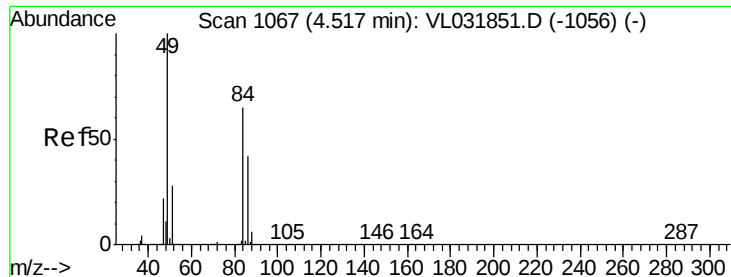
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#15
Acetone
Concen: 0.353 ppbv m
RT: 4.02 min Scan# 912
Delta R.T. 0.02 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Tgt Ion: 43 Resp: 66767
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#





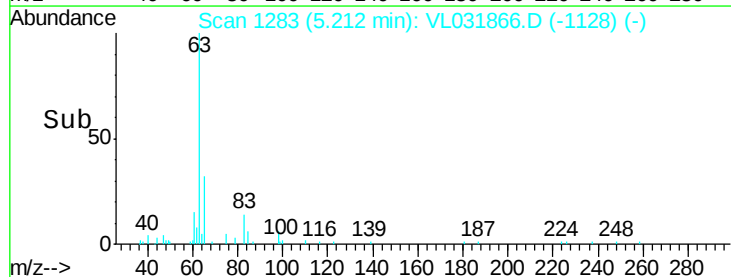
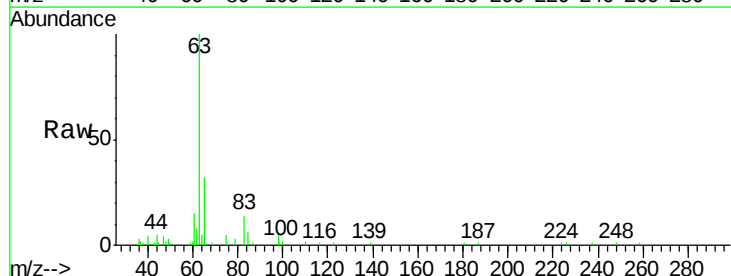
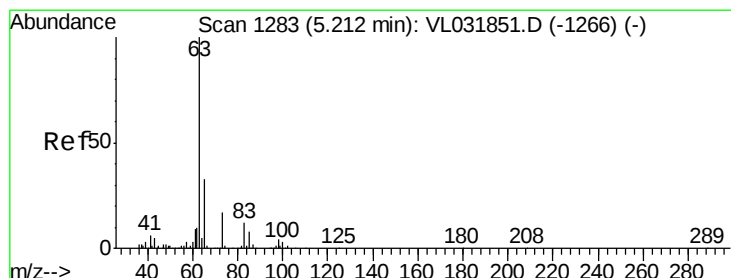
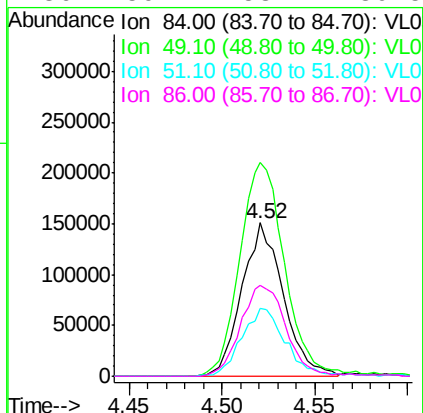
#20
Methvlene Chloride
Concen: 3.396 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Tot Ion	84	Resp	234163
Ion Ratio	Lower	Upper	
84	100		
49	139.3	125.6	188.4
51	44.1	36.4	54.6
86	59.1	53.7	80.5

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

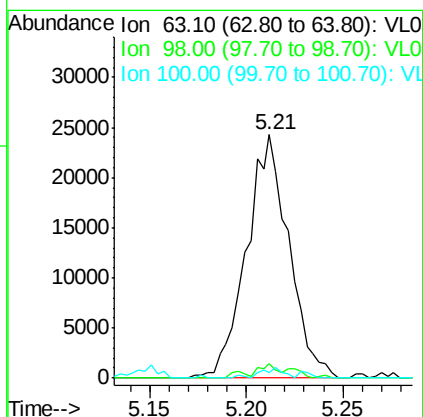
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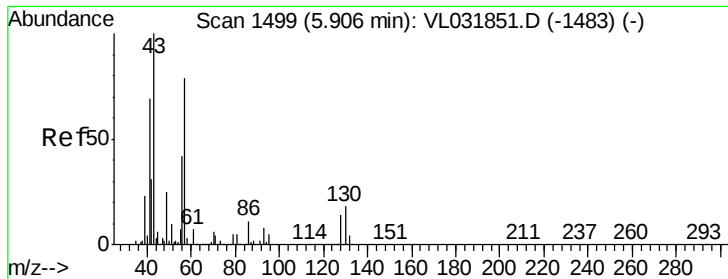
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#24
1,1-Dichloroethane
Concen: 0.193 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Tgt Ion	63	Resp	36854
Ion Ratio	Lower	Upper	
63	100		
98	6.4	2.4	7.2
100	2.4	1.5	4.4





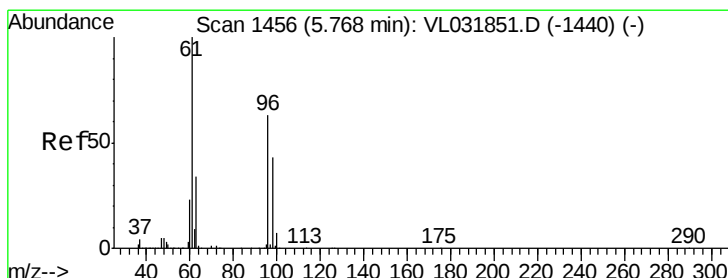
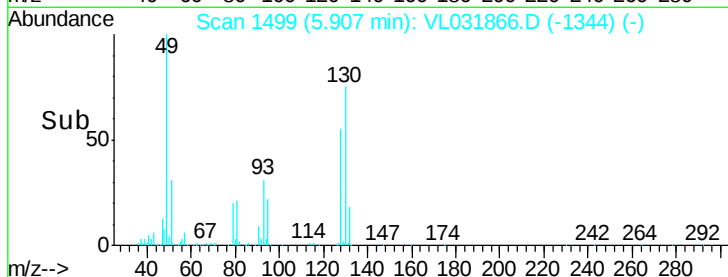
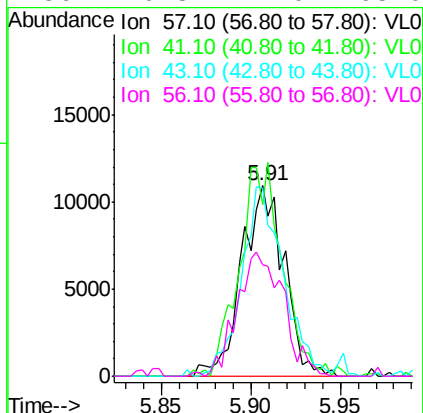
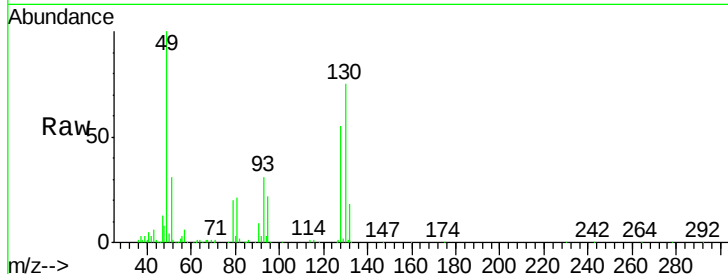
#26
Hexane
Concen: 0.131 ppbv m
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-040218DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	113.2	72.0	108.0#
43	100.1	169.8	254.8#
56	70.8	42.0	63.0#

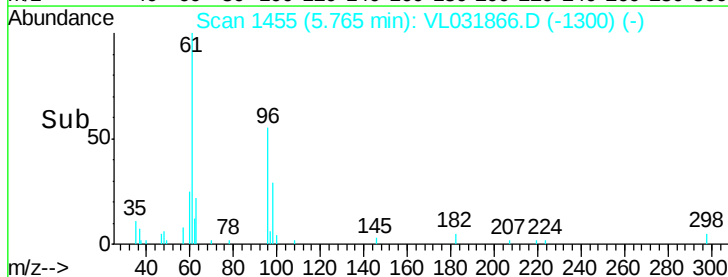
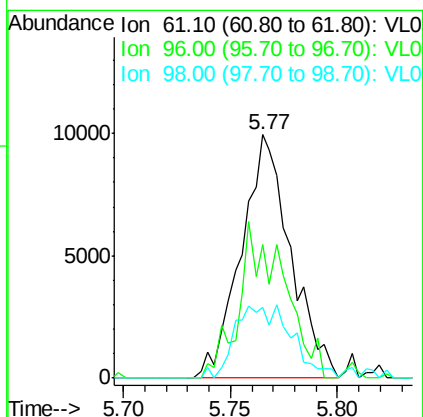
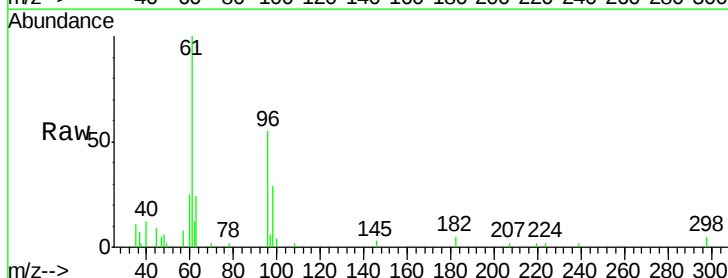
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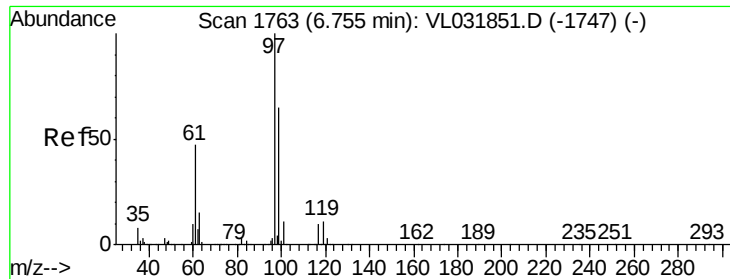
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#31
cis-1,2-Dichloroethene
Concen: 0.128 ppbv m
RT: 5.77 min Scan# 1455
Delta R.T. -0.00 min
Lab File: VL031866.D
Acq: 12 Apr 2018 14:18

Tgt Ion	Ratio	Lower	Upper
61	100		
96	54.7	47.6	71.4
98	29.2	30.3	45.5#





#32

1,1,1-Trichloroethane

Concen: 0.340 ppbv

RT: 6.75 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Instrument :

MSVOA_L

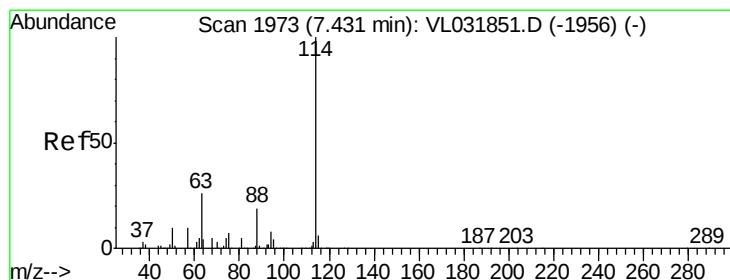
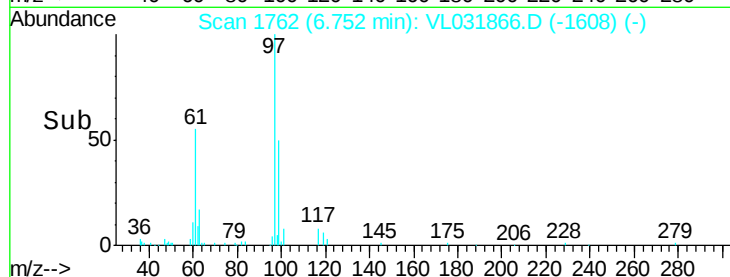
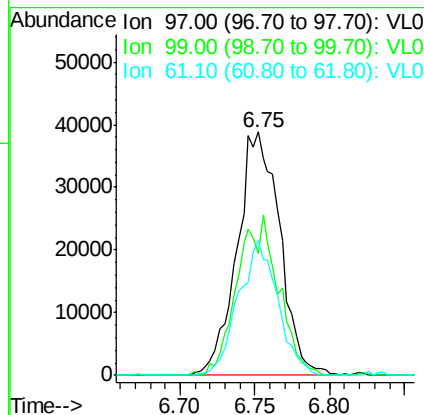
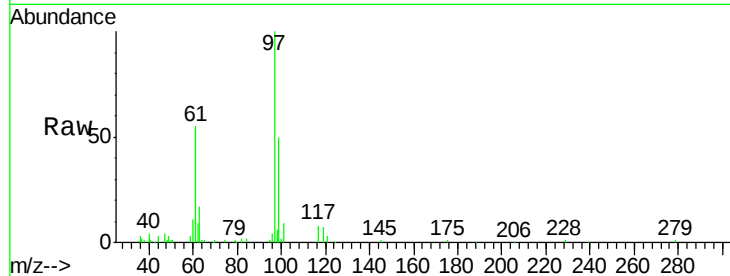
ClientSampleID :

GAC-EFF-DUP-040218DL

Tot Ion:	97	Resp:	77231
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	51.0	40.0	60.0

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

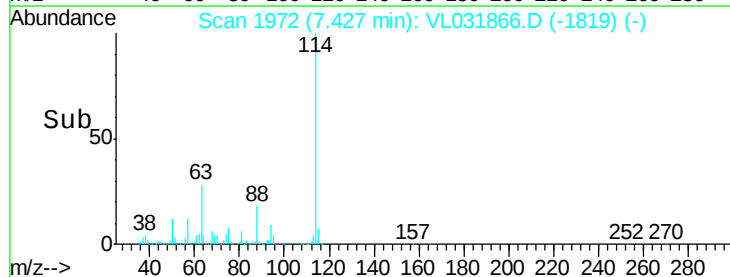
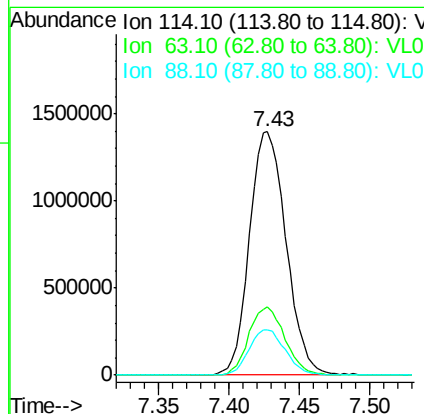
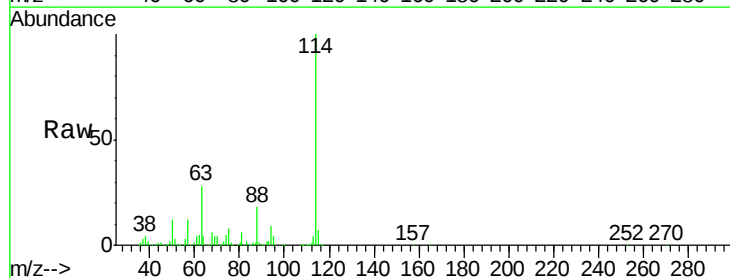
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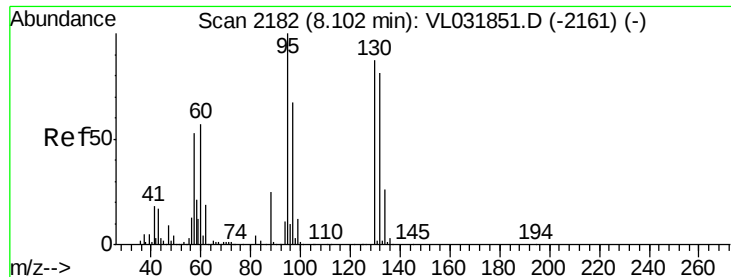
Delta R.T. -0.01 min

Lab File: VL031866.D

Acq: 12 Apr 2018 14:18

Tgt Ion:	114	Resp:	2541240
Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.8	32.6
88	18.5	14.6	22.0





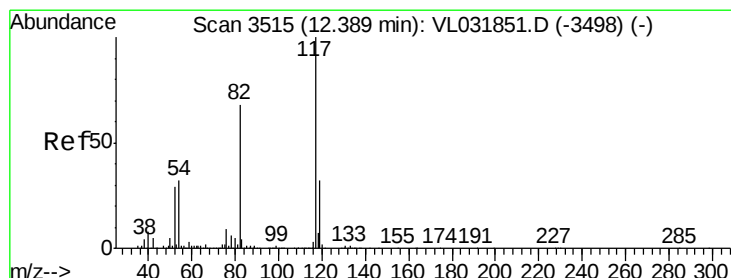
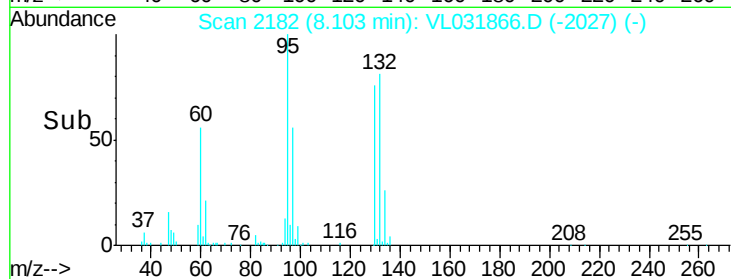
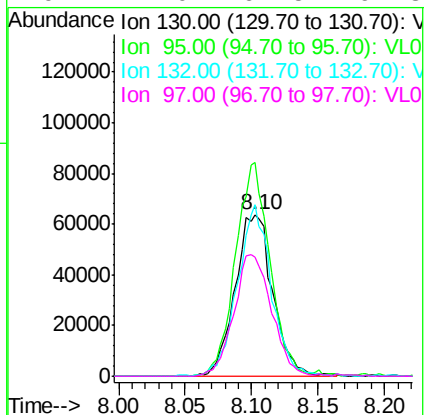
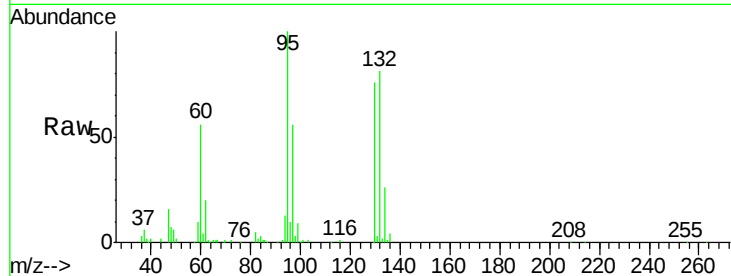
#38
 Trichloroethene
 Concen: 1.355 ppbv m
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-040218DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		125739		
95	132.2		96.6	144.8	
132	106.6		79.1	118.7	
97	74.0		61.5	92.3	

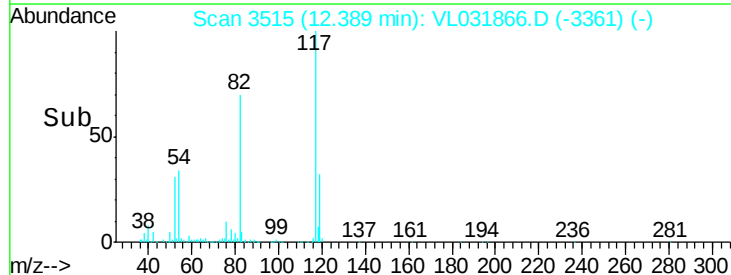
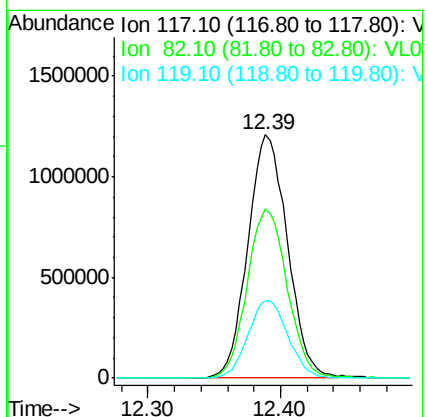
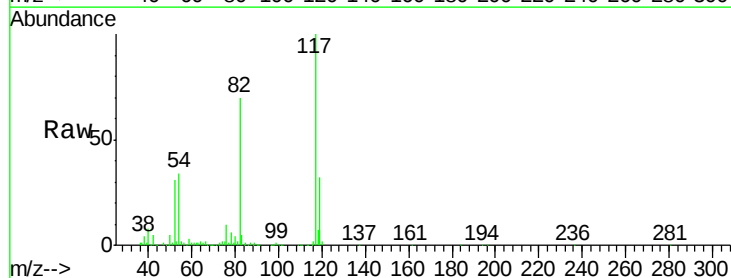
Manual Integrations
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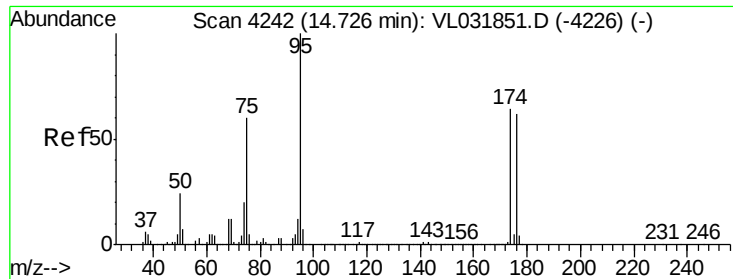
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.39 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		2506907		
82	70.9		54.6	81.8	
119	32.3		26.0	39.0	





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.054 ppbv
 RT: 14.73 min Scan# 4242
 Delta R.T. -0.00 min
 Lab File: VL031866.D
 Acq: 12 Apr 2018 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-040218DL

Tot Ion: 95 Resp: 2026693
 Ion Ratio Lower Upper
 95 100
 174 65.4 52.3 78.5
 175 4.7 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 4/15/2018 3:06:58 PM

